Notebook, PN-87-05-08, 1887

The one dated entry in this notebook is from May 1887. The book contains instructions from Edison, in the hand of Mina Miller Edison, to John Ott regarding proposed filament experiments. Some of the entries contain annotations by Ott indicating what was done. The front cover is stamped "Note Book." The pages are unnumbered. Only 4 pages have been used.

May 8/87 Mem-

John Ott.

Put a pine stick in metal tube which stick has been soaked in Saturated Solution, Tannic acid. Put some tannic acid in bottom, bring up quickly in stove of pump room- ~~Also put pine~~ 2

Also put pine stick in tube with red oxide Mercury in bottom, to give off oxygen - Marked 1

Finished J. F. Ott

Make couple extra brass tubes suspend in those pine pieces. Allow them to remain in lamp heating stove 1 to 3 days. Keep record of time and deliver to me - One day Marked 3
Three " " 4

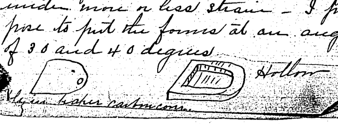
Make a drawing die to draw 6×10 filament of steel and if it works will have a Hock diamond one made - The edges can be sharp but I prefer them slightly rounded these 10 6/1000 thick [illegible]

May 8/87
Mina -

Mr. Ott -
J.F.Ott

Perhaps you can draw them round and then run them through a flatten drawing knife or die -

Take fifteen (15) moulds same as they use for the regular Carbonization and hollow out the little weight so it can be loaded with considerable Iridosmine which is an infusible metal, which comes in grains, A piece of paper carbon Can be placed over the top and cemented with sugar and carbonized A small hole should be left in paper cover to allow of more or less Iridosmine being put in or out. The object is to load up the weight gradually so the carbon filiment will be carbonized under more or less strain - I propose to put the forms at an angle of 30 and 40 degrees

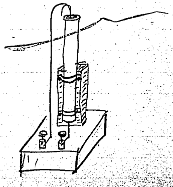


May 8/87 Mina

John Ott. J. F. Ott

Get 4 pieces of gas pipe 8 foot long — The first one to have 1/4 inch hole inside measurement.

The next size must have a hole which will allow the 1/4 inch pipe to go into it easily — these two must go into the 3rd and the 3 into the fourth, an insulated wire is to be run through the 1/4 inch hole, say, No 16 or 12. The pipe is to be set up on a board or screwed up to wall & wire arranged thus:



Forsicht
Handbuch